

MOBILE AD HOC NETWORK (MANET) PROVIDING QUALITY-OF-SERVICE (QOS) BASED UNICAST AND MULTICAST FEATURES

Abstract of the Disclosure

A mobile ad hoc network (MANET) may include a plurality of mobile nodes each including a wireless communications device and a controller connected thereto. The controller may operate in accordance with a multi-layer protocol hierarchy. More particularly, at an upper protocol layer, the controller may establish a quality-of-service (QoS) threshold. Furthermore, at at least one intermediate protocol layer below the upper protocol layer, the controller may select between unicast and multicast communications modes based upon the QoS threshold. As such, at a lower protocol layer below the at least one intermediate protocol layer, the controller may cooperate with the wireless communications device to transmit data to at least one destination mobile node based upon the selected communications mode.